

WHAT IS CLAIMED IS:

1. A high frequency heating apparatus including a high frequency generating part for supplying a high frequency into a heating chamber for accommodating an object to be heated  
5 and a steam generating part for supplying steam into the heating chamber in which the high frequency generating part and the steam generating part supply at least any one of the high frequency and steam into the heating chamber to heat-treat the object to be heated, the high frequency heating apparatus  
10 comprising:

a control part having a heating chamber cleaning mode for automatically supplying steam into the heating chamber by the steam generating part to clean soil inside the heating chamber; and

15 a signal input unit for allowing the control part to implement the heating chamber cleaning mode.

2. A high frequency heating apparatus including a high frequency generating part for supplying a high frequency into a heating chamber for accommodating an object to be heated  
20 and a steam generating part having an evaporating dish disposed inside the heating chamber for storing water and an evaporating dish heating unit for heating the evaporating dish to generate steam, the steam generating part for supplying steam into the heating chamber, in which the high frequency generating part  
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and the steam generating part supply at least any one of the high frequency and steam into the heating chamber to heat-treat the object to be heated, the high frequency heating apparatus comprising:

5           a control part having an evaporating dish cleaning mode for pumping a cleaning liquid into the evaporating dish and heating it by the evaporating dish heating unit to clean soil on the evaporating dish; and

10          a signal input unit for allowing the control part to implement the heating chamber cleaning mode.

3.          A high frequency heating apparatus including a high frequency generating part for supplying a high frequency into a heating chamber for accommodating an object to be heated  
15         and a steam generating part having an evaporating dish disposed inside the heating chamber for storing water and an evaporating dish heating unit for heating the evaporating dish to generate steam, the steam generating part for supplying steam into the heating chamber, in which the high frequency generating part  
20         and the steam generating part supply at least any one of the high frequency and steam into the heating chamber to heat-treat the object to be heated, the high frequency heating apparatus comprising:

25          a control part having a heating chamber cleaning mode for automatically supplying steam into the heating chamber by the

steam generating part to clean soil inside the heating chamber,  
and an evaporating dish cleaning mode for pumping a cleaning  
liquid into the evaporating dish and heating it by the  
evaporating dish heating unit to clean soil on the evaporating  
5 dish; and

a signal input unit for allowing the control part to  
implement any one of the cleaning modes.

4. The high frequency heating apparatus according  
10 to claim 1 or 3, wherein the heating chamber cleaning mode is  
a mode that water supplied into the evaporating dish of the steam  
generating part is heated by the evaporating dish heating unit  
and steam is filled inside the heating chamber to generate  
condensation on a surface defining the heating chamber for  
15 cleaning.

5. The high frequency heating apparatus according  
to claim 1 or 3, further comprising a circulation fan for  
stirring air inside the heating chamber,  
20 wherein when steam is generated by the steam generating  
part, and the generated steam is stirred inside the heating  
chamber.

6. The high frequency heating apparatus according  
25 to claim 1 or 3, further comprising a water supply part for

supplying water to the evaporating dish.

7. The high frequency heating apparatus according to claim 6, wherein the water supply part has a water tank, and  
5 a pump for supplying a predetermined amount of water into the evaporating dish from the water tank through a water pipe.

8. The high frequency heating apparatus according to claim 2 or 3, wherein the evaporating dish cleaning mode is  
10 a mode that water supplied into the evaporating dish of the steam generating part and the cleaning liquid are heated to a predetermined temperature by the evaporating dish heating unit and then they are left therein as they are for a predetermined time for cleaning.

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9. The high frequency heating apparatus according to claim 8, wherein a citric acid solution is used as the cleaning liquid.